

Section 3

Application Summary

The **Application Summary** shall include a brief description of the facility and its process, the type of permit application, the applicable regulation (i.e. 20.2.72.200.A.X, or 20.2.73 NMAC) under which the application is being submitted, and any air quality permit numbers associated with this site. If this facility is to be collocated with another facility, provide details of the other facility including permit number(s). In case of a revision or modification to a facility, provide the lowest level regulatory citation (i.e. 20.2.72.219.B.1.d NMAC) under which the revision or modification is being requested. Also describe the proposed changes from the original permit, how the proposed modification will effect the facility's operations and emissions, de-bottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

Routine or predictable emissions during Startup, Shutdown, and Maintenance (SSM): Provide an overview of how SSM emissions are accounted for in this application. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.nmenv.state.nm.us/aqb/permit/app_form.html) for more detailed instructions on SSM emissions.

Summary:

Premier Pellet, LLC is applying for an air quality permit to construct and operate a 130 tons per day wood processing facility south of Tularosa, New Mexico. The process at this facility includes bulk wood shaving, dried bagged wood shaving, and wood pellets manufacturing from soft-wood logs (mostly pines). The potential emission rates of regulated pollutants of the proposed facility are greater than 25 tons per year and less than 100 tons per year of any regulated air contaminants. Therefore, the facility is subject to 20.2.72 NMAC "Construction Permits". This is a new permit application and the facility does not have a permit application nor is it co-located with any other facility.

List of equipment for each process on site:

Shaving and Bagging Facility

- 1 Storage Log Deck
- 1 Cat 966D with a Grappler
- 1 Debarker
- 1 Elevated Table Conveyor
- 1 Log Cutter
- 2 Shave Boxes (East & West)
- 1 Covered Conveyor
- 1 Transfer Fan
- 1 Diverter Valve
- 2 Cyclone
- 1 Bulk Storage Bin
- 1 Shaker Screen
- 1 Webb's Burner
- 1 Dryer
- 1 Bulk Shaving Storage
- 1 Shaving Bagger
- 1 Bagged Storage

Pellet Facility

- 1 Chipper
- 1 Hammermill
- 1 Cyclone
- 1 Pellet Mill Surge Bin
- 1 Pellet Mill
- 1 Pellet Cooler
- 1 Pellet Bag Line
- 1 Pellet Bag Line Storage

The standard operating schedule of the plant will be 17 hrs per day, 7 days per week, and 52 weeks per year. This facility is a minor source of emissions and a summary of total requested emissions as well as detailed calculations are given in Section 6.

SSM:

Startup, Shutdown, and Maintenance for the facility or any equipment within this facility will follow specific procedures to ensure that emission will not exceed permitted rate.

Startup for the Webb Burners will begin by lighting a pilot log for 4 minutes before introducing fuel. Therefore, emission during startup will be less than steady-state. During shut-down, fuel supply will be cut quickly, so operation as well as emission will cease almost immediately.

Debarker, shaver box, shaker screen, chipper, and pellet cooler are not expected to produce excess emissions during startup, shutdown, or maintenance due to their operational parameters.

The plant operator will follow recommended procedures to ensure that emission rates will not exceed allowable limits during maintenance.